

WHAT IS CLAIMED IS:

1. A device for supplying breathing air in an interior of a safety clothing, the device comprising:

a connection means to a compressed air source for providing breathing air;

a hose system which is connected to said connection means from which breathing air enters said interior of said safety clothing, wherein said hose system further comprises a permeable tube section made porous.

2. A device in accordance with claim 1, wherein porous part of said permeable tube section is made of a sintered plastic.

3. A device in accordance with claim 1, wherein said permeable tube section is formed in a horizontally extending semicircle and is placed at level of a neck part of a user of said safety clothing.

4. A device in accordance with claim 3, wherein said horizontally extending semicircle further comprises a lower area and an upper area wherein said lower area is sealed and said upper area is porous.

5. A device in accordance with claim 1 further comprising distributor hoses, each of said distributor hoses having a discharge opening from which breathing air of a compressed air

source flows out, said distributor hoses being arranged distributed over said inside of said safety clothing.

6. A device in accordance with claim 1, wherein said connection means is for a compressed air source which is operated with a pressure of 3 bar to 10 bar.

7. A device in accordance with claim 1, further comprising a hood part connected to a body part of said safety clothing, said hood having a rear area wherein a pressure relief valve is arranged in said rear area of said hood.

8. A device to minimize mucosa-drying pressure and noise nuisance while delivering breathing air in an interior of a safety clothing, the device comprising:

a compressed air source;

a hose system for delivering breathing air in the safety clothing, said hose system including a porous gas permeable tubular section;

a connection between said hose system and said compressed air source wherein the breathing air from said compressed air source enters the interior of the safety clothing through said hose system.

9. A device in accordance with claim 8, wherein porous part of said permeable tubular section is made of a sintered plastic.

10. A device in accordance with claim 8, wherein said permeable tubular section is formed in a horizontally extending semicircle and is placed at level of a neck part of a user of said safety clothing.

11. A device in accordance with claim 10, wherein said horizontally extending semicircle further comprises a lower area and an upper area wherein said lower area is sealed and said upper area is porous.

12. A device in accordance with claim 8 further comprising a distributor hose having a discharge opening from which breathing air of compressed air source flows out from said discharge opening, which are arranged distributed over said inside of said safety clothing.

13. A device in accordance with claim 8, wherein said connection means is for a compressed air source which is operated with a pressure of 3 bar to 10 bar.

14. A device in accordance with claim 8, further comprising a hood part connected to a body part of said safety clothing, said hood having a rear area wherein a pressure relief valve is arranged in said rear area of said hood.

15. A method for minimizing mucosa-drying pressure and noise nuisance while delivering breathing air supply in an interior of a safety clothing, the method comprising the steps of:

providing a safety clothing;

providing a compressed air source

providing a breathing air delivery unit with a porous gas permeable tubular section;

providing a connection from said compressed air source to said breathing air delivery means;

delivering a breathing air from said compressed air source through said connection to said breathing air delivery unit and to an interior of said safety clothing and through pores of said porous gas permeable tubular section.